

Day : Wednesday

Date: 5/18/2005

Time: 10:14:14

PALMINTRANET

Inventor Name Search Result

Your Search was:

Last Name = ECKER

First Name = FRIEDRICH

Application#	Patent#	Status	Date Filed	Title	Inventor Name 29
10918120	Not Issued	030	08/13/2004	BURSTING INSERT	ECKER, FRIEDRICH
10900518	Not Issued	030	07/28/2004	ERGONOMIC SPINNING SYSTEM	ECKER, FRIEDRICH
10500998	Not Issued	030	10/07/2004	SPINNING DEVICE AND METHOD HAVING COOLING BY BLOWING	ECKER, FRIEDRICH
10482312	Not Issued	030	03/12/2004	METHOD AND DEVICE FOR TREATING A FIBER MASS	ECKER, FRIEDRICH
10343547	Not Issued	030	07/14/2003	METHOD AND DEVICE FOR EXTRUDING A CONTINUOUS MOULDED BODY	ECKER, FRIEDRICH
10343492	Not Issued	041	08/11/2003	METHOD AND DEVICE FOR PRODUCING CONTINUOUS MOULDED BODIES	ECKER, FRIEDRICH
10296336	Not Issued	041	04/07/2003	METHOD FOR EXTRUDING A CONTINUOUS SHAPED BODY	ECKER, FRIEDRICH
10296072	Not Issued	041	04/29/2003	METHOD FOR EXTRUDING A CONTINUOUS MOULDED BODY	ECKER, FRIEDRICH
10276841	Not Issued	030	04/29/2003	ANTI-RUPTURE DEVICE	ECKER, FRIEDRICH
10276757	Not Issued	071	06/09/2003	FLUID GUIDANCE PIECE WITH INTERNAL TEMPERATURE EQUALISATION	ECKER, FRIEDRICH
10275851	Not Issued	030	04/22/2003	METHOD AND DEVICE FOR THE TRANSPORT OF CONTINUOUS MOLDINGS WITHOUT TENSILE STRESS	ECKER, FRIEDRICH
10258058	Not Issued	071	02/24/2003	METHOD FOR SPINNING A SPINNING SOLUTION AND SPINNING HEAD	ECKER, FRIEDRICH
10182851	6644845	150	10/07/2002	BUFFER STORE FOR POLYMER MELTS,	ECKER, FRIEDRICH

				ESPECIALLY CELLULOSE SOLUTIONS	
<u>09260590</u>	<u>5988437</u>	150	03/01/1999	DEVICE FOR DRAINING OR STORING VISCOUS MATERIALS	ECKER, FRIEDRICH
<u>09095340</u>	<u>5968434</u>	150	06/10/1998	PROCESS OF MAKING CELLULOSE MOLDINGS AND FIBERS	ECKER, FRIEDRICH
<u>08817809</u>	<u>5890504</u>	150	04/17/1997	PROCESS FOR TRANSPORTING A THERMALLY UNSTABLE VISCOUS MASS	ECKER, FRIEDRICH
<u>08814258</u>	<u>5794642</u>	150	03/10/1997	PROCESS FOR TRANSPORTING THERMALLY UNSTABLE VISCOUS MASSES	ECKER, FRIEDRICH
<u>08807258</u>	<u>5921675</u>	150	03/03/1997	METHOD FOR KEEPING AND DELIVERING A HOMOGENEOUS CELLULOSE SUSPENSION	ECKER, FRIEDRICH
<u>08754080</u>	Not Issued	161	11/20/1996	DEVICE AND PROCESS FOR THE PREPARATION OF CELLULOSE SHEET	ECKER, FRIEDRICH
<u>08726580</u>	<u>5984655</u>	150	10/07/1996	SPINNING PROCESS AND APPARATUS	ECKER, FRIEDRICH
<u>08480045</u>	<u>5798125</u>	150	06/06/1995	DEVICE FOR THE PROPARATION OF CELLULOSE MOULDINGS	ECKER, FRIEDRICH
<u>08471567</u>	<u>5826978</u>	150	06/06/1995	A DEVICE AND METHOD FOR CONTROLLING PRESSURE IN A FLOWING VISCOUS MASS WITHIN A SYSTEM FOR PROCESSING CELLULOSE SOLUTIONS	ECKER, FRIEDRICH
<u>08460150</u>	Not Issued	166	06/02/1995	DEVICE FOR KEEPING AND DELIVERING A HOMOGENEOUS CELLULOSE SUSPENSION	ECKER, FRIEDRICH
<u>08459130</u>	<u>5582783</u>	250	06/02/1995	PROCESS FOR CONTROLLING A FLOWING CELLULOSE SUSPENSION	ECKER, FRIEDRICH
<u>08458292</u>	<u>5755318</u>	250	06/02/1995	DEVICE FOR THE CONTINUOUS DELIVERY OF MATERIALS WITH LOW FLOWABILITY	ECKER, FRIEDRICH
<u>08221174</u>	<u>5607639</u>	250	03/31/1994	PROCESS FOR THE PREPARATION OF CELLULOSE SHEET	ECKER, FRIEDRICH
<u>08219617</u>	<u>5650112</u>	150	03/29/1994	PROCESS OF MAKING	ECKER, FRIEDRICH

				CELLULOSE FIBERS	
<u>08214953</u>	<u>5698151</u>	150	03/14/1994	PROCESS OF MAKING CELLULOSE FIBERS	ECKER, FRIEDRICH
<u>08142313</u>	<u>5589125</u>	150	11/16/1993	PROCESS OF AND APPARATUS FOR MAKING	ECKER, FRIEDRICH

Inventor Search Completed: No Records to Display.

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Search Another: Inventor	<input type="text" value="ecker"/>	<input type="text" value="friedrich"/>	<input type="button" value="Search"/>

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Day : Wednesday

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PALM INTRANET

Inventor Name Search Result

Your Search was:

Last Name = ZIKELI

First Name = STEFAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 50
<u>10515880</u>	Not Issued	019	01/01/0001	WETTING DEVICE AND SPINNING SYSTEM WITH WETTING DEVICE	ZIKELI, STEFAN
<u>10500998</u>	Not Issued	030	10/07/2004	SPINNING DEVICE AND METHOD HAVING COOLING BY BLOWING	ZIKELI, STEFAN
<u>10487114</u>	Not Issued	020	08/02/2004	METHOD FOR REMOVING HEAVY FROM MEDIA CONTAINING HEAVY METALS BY MEANS OF A LYOCELL MOULDED BODY, CELLULOSIC MOULDED BODY COMPRISING ABSORBED HEAVY METALS, AND THE USE OF THE SAME	ZIKELI, STEFAN
<u>10482312</u>	Not Issued	030	03/12/2004	METHOD AND DEVICE FOR TREATING A FIBER MASS	ZIKELI, STEFAN
<u>10343547</u>	Not Issued	030	07/14/2003	METHOD AND DEVICE FOR EXTRUDING A CONTINUOUS MOULDED BODY	ZIKELI, STEFAN
<u>10343492</u>	Not Issued	041	08/11/2003	METHOD AND DEVICE FOR PRODUCING CONTINUOUS MOULDED BODIES	ZIKELI, STEFAN
<u>10296336</u>	Not Issued	041	04/07/2003	METHOD FOR EXTRUDING A CONTINUOUS SHAPED BODY	ZIKELI, STEFAN
<u>10296072</u>	Not Issued	041	04/29/2003	METHOD FOR EXTRUDING A CONTINUOUS MOULDED BODY	ZIKELI, STEFAN
<u>10276841</u>	Not Issued	030	04/29/2003	ANTI-RUPTURE DEVICE	ZIKELI, STEFAN
<u>10276757</u>	Not Issued	071	06/09/2003	FLUID GUIDANCE PIECE WITH INTERNAL TEMPERATURE EQUALISATION	ZIKELI, STEFAN
<u>10275851</u>	Not Issued	030	04/22/2003	METHOD AND DEVICE FOR THE TRANSPORT OF CONTINUOUS MOLDINGS WITHOUT TENSILE STRESS	ZIKELI, STEFAN

<u>10258058</u>	Not Issued	071	02/24/2003	METHOD FOR SPINNING A SPINNING SOLUTION AND SPINNING HEAD	ZIKELI, STEFAN
<u>10204108</u>	Not Issued	041	11/26/2002	POLYMER COMPOSITIONS AND MOULDED BODIES MADE THEREFROM	ZIKELI, STEFAN
<u>10182851</u>	<u>6644845</u>	150	10/07/2002	BUFFER STORE FOR POLYMER MELTS, ESPECIALLY CELLULOSE SOLUTIONS	ZIKELI, STEFAN
<u>09095340</u>	<u>5968434</u>	150	06/10/1998	PROCESS OF MAKING CELLULOSE MOLDINGS AND FIBERS	ZIKELI, STEFAN
<u>08836617</u>	Not Issued	161	05/14/1997	THIN-FILM TREATMENT APPARATUS	ZIKELI, STEFAN
<u>08817809</u>	<u>5890504</u>	150	04/17/1997	PROCESS FOR TRANSPORTING A THERMALLY UNSTABLE VISCOUS MASS	ZIKELI, STEFAN
<u>08814258</u>	<u>5794642</u>	150	03/10/1997	PROCESS FOR TRANSPORTING THERMALLY UNSTABLE VISCOUS MASSES	ZIKELI, STEFAN
<u>08807258</u>	<u>5921675</u>	150	03/03/1997	METHOD FOR KEEPING AND DELIVERING A HOMOGENEOUS CELLULOSE SUSPENSION	ZIKELI, STEFAN
<u>08793001</u>	Not Issued	161	01/28/1997	PROCESS AND PLANT FOR SHREDDING CELLULOSE MATERIAL	ZIKELI, STEFAN
<u>08754080</u>	Not Issued	161	11/20/1996	DEVICE AND PROCESS FOR THE PREPARATION OF CELLULOSE SHEET	ZIKELI, STEFAN
<u>08726580</u>	<u>5984655</u>	150	10/07/1996	SPINNING PROCESS AND APPARATUS	ZIKELI, STEFAN
<u>08635544</u>	Not Issued	161	04/22/1996	PROCESS FOR THE PREPARATION OF PAPER	ZIKELI, STEFAN
<u>08480045</u>	<u>5798125</u>	150	06/06/1995	DEVICE FOR THE PROPARATION OF CELLULOSE MOULDINGS	ZIKELI, STEFAN
<u>08476603</u>	Not Issued	161	06/06/1995	DEVICE FOR CARRYING OUT A DRY/WET-SPINNING PROCESS	ZIKELI, STEFAN
<u>08471567</u>	<u>5826978</u>	150	06/06/1995	A DEVICE AND METHOD FOR CONTROLLING PRESSURE IN A FLOWING VISCOUS MASS WITHIN A SYSTEM FOR PROCESSING CELLULOSE SOLUTIONS	ZIKELI, STEFAN
<u>08465321</u>	<u>5603883</u>	150	06/05/1995	PROCESS OF AND APPARATUS FOR MAKING CELLULOSE PRODUCTS	ZIKELI, STEFAN

<u>08465314</u>	<u>5656224</u>	150	06/05/1995	PROCESS FOR THE PRODUCTION OF A CELLULOSE SUSPENSION	ZIKELI, STEFAN
<u>08460150</u>	Not Issued	166	06/02/1995	DEVICE FOR KEEPING AND DELIVERING A HOMOGENEOUS CELLULOSE SUSPENSION	ZIKELI, STEFAN
<u>08459130</u>	<u>5582783</u>	250	06/02/1995	PROCESS FOR CONTROLLING A FLOWING CELLULOSE SUSPENSION	ZIKELI, STEFAN
<u>08458292</u>	<u>5755318</u>	250	06/02/1995	DEVICE FOR THE CONTINUOUS DELIVERY OF MATERIALS WITH LOW FLOWABILITY	ZIKELI, STEFAN
<u>08221174</u>	<u>5607639</u>	250	03/31/1994	PROCESS FOR THE PREPARATION OF CELLULOSE SHEET	ZIKELI, STEFAN
<u>08219617</u>	<u>5650112</u>	150	03/29/1994	PROCESS OF MAKING CELLULOSE FIBERS	ZIKELI, STEFAN
<u>08214953</u>	<u>5698151</u>	150	03/14/1994	PROCESS OF MAKING CELLULOSE FIBERS	ZIKELI, STEFAN
<u>08209439</u>	<u>5626810</u>	150	03/10/1994	PROCESS FOR THE PREPARATION OF CELLULOSE SOLUTIONS	ZIKELI, STEFAN
<u>08195810</u>	Not Issued	166	02/14/1994	PROCESS FOR THE PREPARATION OF PAPER	ZIKELI, STEFAN
<u>08142313</u>	<u>5589125</u>	150	11/16/1993	PROCESS OF AND APPARATUS FOR MAKING	ZIKELI, STEFAN
<u>08087721</u>	<u>5393225</u>	250	07/07/1993	ROTATING TUBE HEAT TREATMENT INSTALLATION, IN PARTICULAR ROTATING TUBULAR KILN, WITH INDIRECT HEAT FEED OR DISSIPATION	ZIKELI, STEFAN
<u>07998774</u>	<u>5330567</u>	150	10/28/1992	PROCESS AND ARRANGEMENT FOR PREPARING A SOLUTION OF CELLULOSE	ZIKELI, STEFAN
<u>07985041</u>	Not Issued	160	12/08/1992	PROCESS AND ARRANGEMENT FOR PREPARING A SOLUTION OF CELLULOSE	ZIKELI, STEFAN
<u>07817937</u>	<u>5252284</u>	250	01/08/1992	METHOD OF PRODUCING SHAPED CELLULOSIC ARTICLES	ZIKELI, STEFAN
<u>07804335</u>	<u>5216144</u>	150	12/06/1991	METHOD OF PRODUCING SHAPED CELLULOSIC ARTICLES	ZIKELI, STEFAN
<u>07797126</u>	<u>5178764</u>	150	11/22/1991	PROCESS FOR CLEANING OR PURIFYING AQUEOUS N-	ZIKELI, STEFAN

				METHYLMORPHOLINE-N- OXIDE SOLUTIONS	
<u>07742093</u>	5094690	150	08/02/1991	PROCESS AND ARRANGEMENT FOR PREPARING A SOLUTION OF CELLULOSE	ZIKELI, STEFAN
<u>07739920</u>	Not Issued	166	08/02/1991	PROCESS AND ARRANGEMENT FOR PREPARING A SOLUTION OF CELLULOSE	ZIKELI, STEFAN
<u>07730169</u>	5189152	150	07/16/1991	CELLULOSE SOLUTION IN WATER AND NMMO	ZIKELI, STEFAN
<u>07689324</u>	Not Issued	161	04/22/1991	METHOD OF MAKING AN AQUEOUS SOLUTION OF CELLULOSE	ZIKELI, STEFAN
<u>07675565</u>	5118423	150	03/27/1991	METHOD OF REMOVING WATER FROM A DILUTE SOLUTION OF N- METHYLMORPHOLINE- N- OXIDE, N- METHYLMORPHOLINE, OR MORPHOLINE	ZIKELI, STEFAN
<u>07619066</u>	Not Issued	161	11/27/1990	SPINNING NOZZLE OR SPINNERET FOR PRODUCING FILAMENTS FROM A FLOWABLE MATERIAL	ZIKELI, STEFAN
<u>07389499</u>	Not Issued	166	08/04/1989	PROCESS AND ARRANGEMENT FOR PREPARING A SOLUTION OF CELLULOSE	ZIKELI, STEFAN

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zikeli	stefan

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**Inventor Name Search Result**

Your Search was:

Last Name = ZIKELI

First Name = STEFAN

Application#	Patent#	Status	Date Filed	Title	Inventor Name 4
10918120	Not Issued	030	08/13/2004	BURSTING INSERT	ZIKELI, STEFAN
10900518	Not Issued	030	07/28/2004	ERGONOMIC SPINNING SYSTEM	ZIKELI, STEFAN
10508394	Not Issued	019	01/01/0001	METHOD AND DEVICE FOR REGULATING THE ATMOSPHERIC CONDITIONS DURING A SPINNING PROCESS	ZIKELI, STEFAN
10500917	Not Issued	019	01/01/0001	SPINNING DEVICE AND METHOD HAVING TURBULENT COOLING BY BLOWING	ZIKELI, STEFAN

Inventor Search Completed: No Records to Display.

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L6: Entry 1 of 1

File: USPT

Mar 16, 2004

DOCUMENT-IDENTIFIER: US 6706224 B2

TITLE: Process and device for the production of cellulosic moulded bodies

Abstract Text (1):

The invention relates to a process for the production of a spunlaid fabric containing solvent-spun cellulosic fibers. The process is characterised in that a solution of cellulose in an aqueous tertiary amine oxide is extruded through a spinneret (1) with orifices and the extruded filaments (3) are stretched in an air gap and led into a precipitation bath (2), the filaments in the precipitation bath (2) are intercepted by a first conveyor device (5) whereby a curtain of threads of filaments basically arranged parallel to each other and basically of constant thickness is formed on the first conveyor device (5), the curtain of threads is transported by means of the first conveyor device (5) out of the precipitation bath (2) onto a second conveyor device inclined downwards (8), and the curtain of threads is transported downwards on the second conveyor device (8) onto a third conveyor device (10), where the third conveyor device (10) draws off the curtain of threads at a speed less than the speed of the curtain of threads transported downwards on the second conveyor device.

Brief Summary Text (15):

This task is resolved by a process characterised in that a solution of cellulose is extruded in an aqueous tertiary amine oxide via a spinneret with orifices and the extruded filaments are stretched in an air gap and led into a precipitation bath, the filaments in the precipitation bath are intercepted by a first conveyor device whereby a curtain of threads of filaments basically oriented parallel to each other and basically of constant thickness is formed on the first conveyor device, the curtain of threads is transported out of the precipitation bath using the first conveyor device onto a second conveyor device inclined downhill and the curtain of threads is transported downwards on the second conveyor device onto a third conveyor device where the third conveyor device draws off the curtain of threads at a speed less than the speed of the curtain of threads transported downwards on the second conveyor device.

Brief Summary Text (47):

To carry out the process in accordance with the invention a device is used, which comprises: At least one spinneret with orifices, At least one precipitation bath arranged underneath the spinneret at a distance from the orifices, Agents, particularly cylinders, to stretch the filaments extruded by the spinneret in the air gap, At least one first conveyor device to form and transport a curtain of threads from the extruded filaments which is arranged at least partly in the precipitation bath preferably leading upwards out of the precipitation bath, at least one second downhill inclined conveyor device which is arranged directly after the first conveyor device, at least one third conveyor device which is arranged directly after the second conveyor device

Detailed Description Text (3):

A first conveyor device designed as a screen belt 5 is furthermore arranged in vessel 2 which leads at an incline upwards out of the vessel. Screen belt 5 has rolls 6 at the upper end. The rolls 6 stretch the extruded filaments 3 in the air gap between spinneret 1 and the precipitation bath surface. Moreover, rolls 6 can be used to press the curtain of threads. Means can be arranged above screen belt 5 off side of vessel 2, e.g. nozzles 7, to apply liquid to the curtain of threads.

Detailed Description Text (7):

A plurality of filaments 3 is extruded from spinneret 1 which is led across an air gap between spinneret 1 and the surface of the precipitation bath and stretched in this air gap using roller pair 6. The plurality of filaments is laid down on screen belt 5 after entering the precipitation bath via deflection organ 4 whereby a curtain of threads forms of what are filaments arranged basically in parallel fashion. The curtain of threads is led upwards out of vessel 2 on screen belt 5 at a speed of e.g. 1 to 200 m/min, pressed with roll pair 6 if necessary and led to plane 8.

CLAIMS:

1. A process for the production of a spunlaid fabric containing solvent-spun cellulosic fibres comprising the steps of (i) extruding a solution of cellulose in an aqueous tertiary amine oxide via a spinneret with orifices to form extruded filaments; (ii) stretching the extruded filaments in an air gap; (iii) leading the extruded filaments into a precipitation bath; (iv) intercepting the extruded filaments in the precipitation bath by a first conveyor device; (v) forming a curtain of threads comprised of filaments essentially oriented parallel to each other and essentially of constant thickness on the first conveyor device; (vi) transporting the curtain of threads out of the precipitation bath using the first conveyor device onto a second conveyor device inclined downhill; (vii) transporting the curtain of threads on the second conveyor device onto a third conveyor device; and (viii) drawing off the curtain of threads, using the third conveyor device, at a speed less than the speed of the curtain of threads transported downwards on the second conveyor device, such that a spunlaid fabric is formed on the third conveyor device.

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L2: Entry 1 of 2

File: PGPB

Mar 18, 2004

DOCUMENT-IDENTIFIER: US 20040051202 A1

TITLE: Method and device for producing continuous moulded bodies

Pre-Grant Publication (PGPub) Document Number:20040051202Summary of Invention Paragraph:

[0033] In an advantageous development the method and apparatus according to the invention may comprise an air gap which extends from the extrusion orifice to the precipitation bath.

Summary of Invention Paragraph:

[0034] In this air gap a stretching operation may be carried out, for instance blowing air around the continuously molded bodies in the direction of extrusion. The stretching operation may also be carried out in such a way that the continuously molded bodies are removed by a take-off unit at a take-off speed higher than the extrusion speed.

Summary of Invention Paragraph:

[0035] In the air gap, a blowing operation can also be performed in a direction transverse to the direction of extrusion so as to dry the continuously molded bodies immediately after extrusion. The method and apparatus of the invention can operate with or without a blowing action.

Detail Description Paragraph:

[0047] The planar curtain 3 consisting of continuously molded bodies or filaments is directly passed through an air gap 4 after extrusion through the extrusion orifices and then immersed into a precipitation bath 5. In the air gap 4, the continuously molded bodies are stretched.

CLAIMS:

8. The method according to any one of the aforementioned claims, characterized by the following steps: passing the extruded, continuously molded bodies through an air gap (4), stretching the extruded, continuously molded body in the air gap (4).

9. The method according to claim 8, characterized by the following step: supplying a flow of air in the air gap (4) either in the direction of extrusion or in a direction transverse to the direction of extrusion.

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